

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. (Previously Presented) A method for controlling a diaphragm or piston pump that is actuated, via a ram, or a connecting rod, by a cam, which is powered by an electric motor, the method comprising varying a rotating speed of the cam during actuation of a compression stroke of the pump.
2. (Previously Presented) The method of claim 1, wherein the rotating speed of the cam is varied, during the compression stroke, so as to compensate for otherwise temporal cosinusoidal movement of the piston, or diaphragm, which is conditioned by the cam.
3. (Canceled)
4. (Previously Presented) The method of claim 1, further comprising maintaining a constant rotating speed of the cam during actuation of an aspiration stroke of the pump.
5. Canceled
6. (Previously Presented) The method of claim 1, wherein the electric motor comprises an EC motor.
7. (Previously Presented) The method of claim 1, further comprising capturing a position of the cam with a sensor in order to vary the rotating speed of the cam during the compression stroke.

8. (Previously Presented) The method of claim 1, wherein the rotating speed of the cam decreases to a minimum speed about midway through the compression stroke.
9. (Previously Presented) The method of claim 1, further comprising maintaining a maximum rotating speed of the cam during actuation of an aspiration stroke of the pump.
10. (Previously Presented) The method of claim 1, wherein varying the rotating speed of the cam during the compression stroke comprises increasing the rotating speed just before an end of the compression stroke.
11. (Previously Presented) The method of claim 6, wherein the EC motor includes an integral rotor position sensor.
12. (Previously Presented) The method of claim 11, further comprising calculating a position of the cam with a signal from the rotor position sensor in order to vary the rotating speed of the cam during the compression stroke.